

# VERO | 605372

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**Description**

VERO is a continuous cell line derived from a kidney of a rhesus monkey, which is highly permissive for a wide range of viruses, including the influenza A virus, measles virus, mumps virus, and the varicella-zoster virus. Vero cells are used in the production of vaccines and in the study of viral diseases. Vero cells are also used in the production of recombinant proteins and in the study of cellular signaling pathways.

**Organism** Chlorocebus sabaeus (VERO cells)

**Tissue** Kidney

**Applications** Cell culture, virus production, protein production

**Synonyms** Vero, VeroCCL81, Vero 81, Verda reno

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**Age** 1-24

**Gender** Male

**Morphology** Epithelial cells

**Growth properties** Adherent, continuous

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**Citation** VERO (VERO cells) Cytion 605372

**Biosafety level** 1

**NCBI\_TaxID** 60711

**CellosaurusAccession** CVCL\_0059

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**Thawing and Culturing Cells**

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the vial to touch the bottom of the water bath. Remove the vial from the water bath and transfer the cells to a pre-warmed T25 flask containing 10 ml of complete medium. Gently mix the cells by pipetting up and down. Incubate the cells in a humidified 5% CO<sub>2</sub> incubator at 37°C.
2. Once the cells have adhered, replace the medium with fresh complete medium. Remove the medium from the flask and discard it. Wash the cells with PBS. Add 10 ml of complete medium to the flask. Incubate the cells in a humidified 5% CO<sub>2</sub> incubator at 37°C.
3. Once the cells have reached confluence, passage them into a new T25 flask. Add 10 ml of complete medium to the flask. Incubate the cells in a humidified 5% CO<sub>2</sub> incubator at 37°C.
4. Once the cells have reached confluence, passage them into a new T25 flask. Add 10 ml of complete medium to the flask. Incubate the cells in a humidified 5% CO<sub>2</sub> incubator at 37°C.
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**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating** Tissue culture treated

**Freezing Procedure** Freeze cells in 1 ml of freezing medium in a cryovial. Store the vial in a liquid nitrogen storage container at -150°C.

**Shipping Conditions** Ship cells in a dry ice container at -78°C.

**Storage Conditions** Store cells in a liquid nitrogen storage container at -150°C.

**VERO / VERO E6 / HLA**

**Sterility** The cells are supplied in a sterile, sealed vial. The cells are free of mycoplasmas and other contaminants.